



Bush Pump Cylinder (Ndembale) Replacement

Use this guide to replace the cylinder.

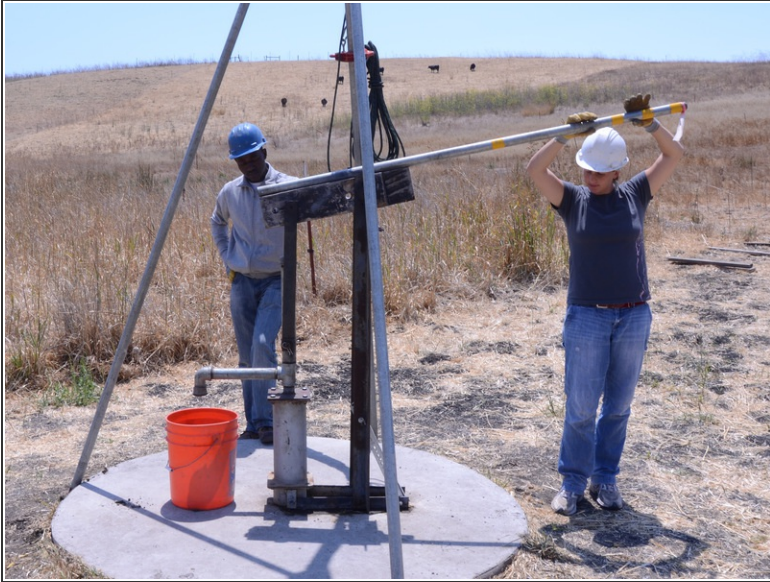
Written By: iRobot



INTRODUCTION

This guide will show you how to remove the cylinder that encases the traveling valve and foot valve.

Step 1 — Head and Handle (Ndembele)



- Linga ukusebenza kwepompo ngokupompa amahlandla ama-40.

☑ Ipompo ekungiyo fanele ibuyise nanyana malitha ali-10.

Step 2



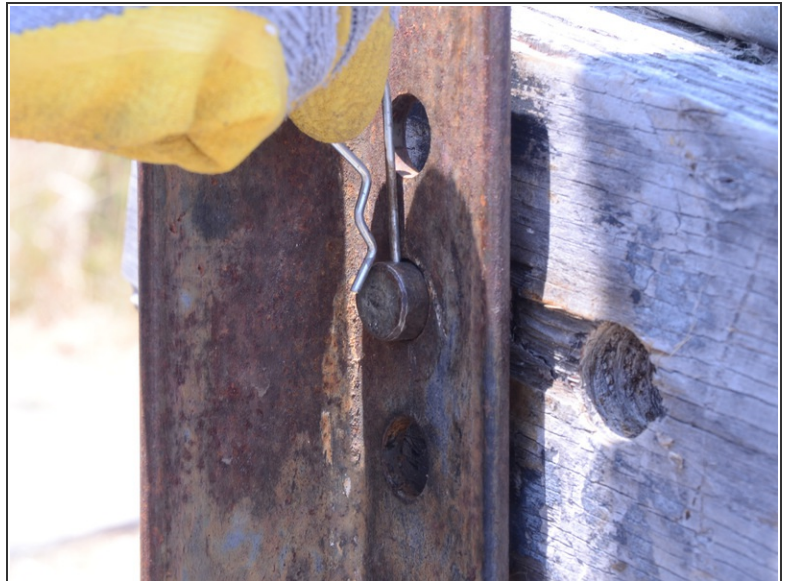
- Susa amaphini amabili ahlanganisa isibambo esitjhelelini.

Step 3



- Dosa iimbambo ezimbili zomgqala kude nesitjheleli.

Step 4



- Phakamisa amaphini amabili abambene nesakhelelo sepompo nesibambo siyephezulu, kusukela esakhelweleni sepompo.

Step 5



- ❶ Ngokuya ngegadangweli, yenza mbala bona ulekelela isibambo nehloko ngananyana ngezandla ezintathu.
- Tjhelelisa ibheringhi yentonga ngaphandle kwehloko.
- ❶ Hlola ibheringhi yentonga nehloko ukobana ayikasinyeki nanyana ayikarathuki.

Step 6



- Susa ihloko nesibambo, uzibeke endaweni ehlwengekileko ukuvimbela ukusilaphazeka.

Step 7 — Riser Main Slider (Ndembele)



- Ngokuqina phakamisa isikhuphukeli sephayiphu edlulisa amanzi, ngezandla zombili.



Thlogomela ukobana ungawisi isikhuphukeli sephayiphu edlulisa amanzi ngombana lokho kungona ipompo nesilinda.

Step 8



- Sebenzisa isipanere sephayiphu ukulenza ligedle ubungaphezulu bephayiphu esikhuphukeleni.

Step 9



- Phakamisa isitjheleli nesikhuphukeli nephayiphu edlulisa amanzi.
- Beka ipompo nentonga bese uyayiqinisa kuzungeza intonga, uyibophe uyiqinise hlangana nepompo nentonga.
- Ngokutjheja yehlisa isikhuphukeli nephayiphu edlulisa amanzi nesitjheleli ukuvumela bona izithekghe phezu kwentonga kuqina.

Step 10



- Gedlisa bese ususa zombili ipompo nentonga bese uminyezele endaweni encani ngokungasikinyeki imbumbulu phezu kwesitjheleli.

Step 11



- Suse ingaphezulu lesikhuphukeli sephayiphu edlulisa amanzi, bese uyihlola bona ayikasinyeki nanyana ayikarathuki.
- Beka isitjheleli endaweni enelanga ukwenzela bona ingasilaphazeki.

Step 12 — Above Grade Riser Pipe (Ndembele)



- Suse ngaphezu kwebanga wesikhuphukeli sephayiphu.
- Ngokuqinileko krufela isibambo saka-T phezulu kwepompo yentonga.
- ① Nawujamisela iphayiphu elidlulisa amanzi nesikhuphukeli ngaphezu kwephasi, lisa isibambo se-T sibambelele kufikela ulungele ukufaka esinye isitoki esijamiselako.

Step 13 — Spout (Ndembele)



- Sebenzisa isikrufu sephayiphu ukugedlisa nokususa itjhubhu yepompo
- ⓘ Hlola itjhubhu bona ayithikamezeki nanyana isilaphazeke.
- Beka itjhubhu endaweni ehlwengekileko ukuvimbela ukusilaphazeka.

Step 14 — Riser Main (Ndembele)



- Beka isikrufu sinye phezu kwepompo yesikhuphukeli sesitja samabowhudu.
- Beka esinye isikrufu kuzungeza ngaphasi kwebhowudu.
- Dosa iinkrufu uzihlukanise bona zigedlise amabhowudu.
- ⓘ Buyelela isenzekwesi emabhowudwini amathathu aseleko.

Step 15



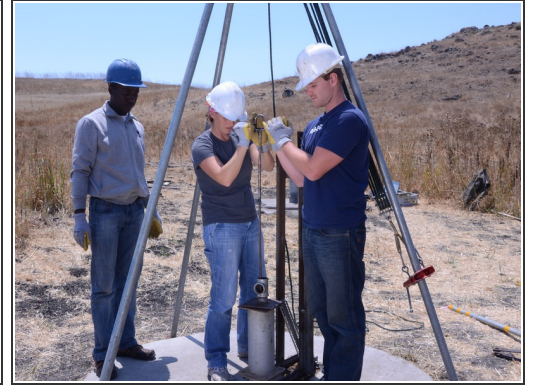
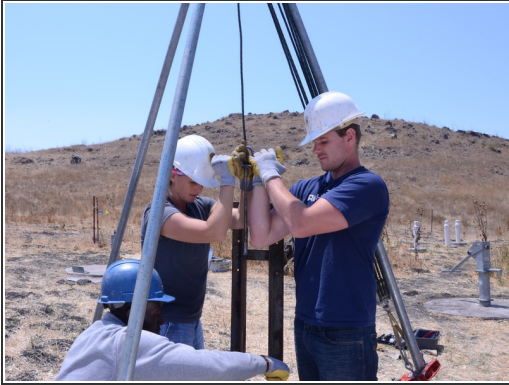
- Susa iimbumbulu ezine namabhowudu avikele isikhuphukeli sepompo sesitja uzibeke esiphathweni esibona ilanga esinjenge bakhede.

Step 16



- Zungezisa isitja sepompo amadigri ama-45. Lokho kuzokwenzelela ukubamba okuncono nawuphakamisa isitja.

Step 17



- Ngokuvikela phakamisa isibambo se-T amanungu ambalwa.
- Lokhana abantu ababili basekela isibambo se-T, susa ipompo yentonga.
- Yehlisa isibambo se-T ngokusihlenga ipompo yentonga ikwazi ukuzijamele.

Step 18



- ① Umhlobo lo wepompo usebenzisa ipoto yennyawo ezintathu nesivimbo noku tjhewa ukuphakamisa isikhuphukeli sephayiphu edlulisa amanzi. Isikrufu se-C singasebenziswa ukuphakamisa isikhuphukeli sephayiphu edlulisa amanzi.
- Ngokuvikela bamba bese uqinise isikhuphula phayiphu esikhuphukeleni sephayiphu edlulisa amanzi ngaphasi kwetjhuba letjhubhu.

Step 19



- Ngokutjheja ungaphunyukelwa yintambo, sebenzisa isivimbo netjhewa ukuphakamisa isikhuphukeli sephayiphu edlulisa amanzi kufikela isikhuphula phayiphu sifikelele isivimbo netjhewa.

Step 20



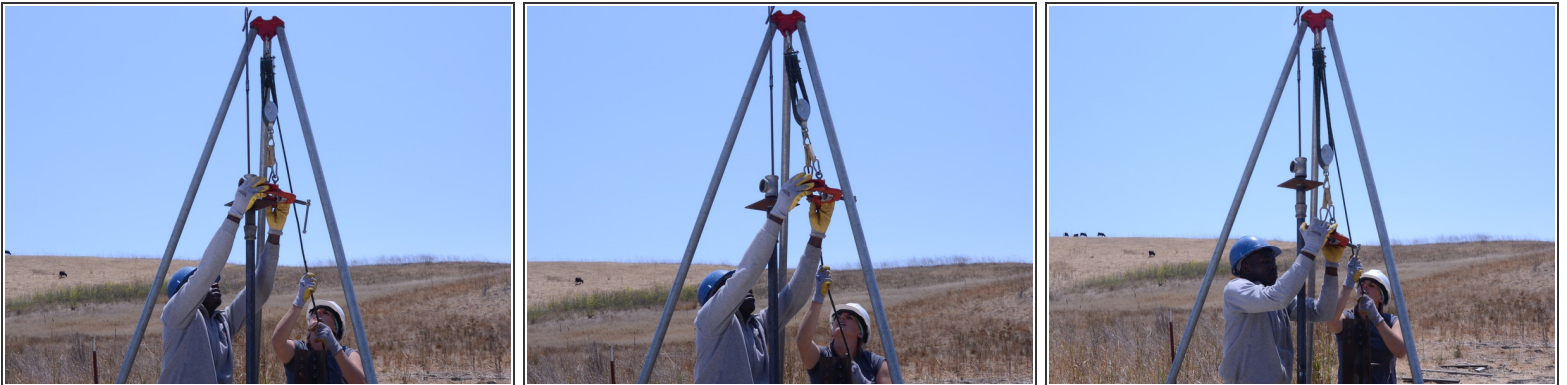
- Na isikhuphukeli sephayiphu edlulisa amanzi sifikelele isivimbo netjhewa, vikela ingaphasi bese uqinise hlangana nesikhuphukeli sephayiphu edlulisa amanzi.

Step 21



- Vikela umphasi ngokuqinisa esakhelelweni esiphasi usebenzise ibhowudu.
- ❗ Ibhowudu yinye yanele ukubamba umphasi ukuqinisa umphakathi, ungangeza ngenye ibhowudu nawufuna ukuyiqinisa.

Step 22



- Nawusasekela umphezulu we phayiphu, ngokutjheja khambisa isikhuphula kuqinisa kude nephayiphu.
- Yehlisa isikhuphula kuqinasa bese ugedlisa ukuya ehlabathini ukuvimbela iintambo bona zirarane esivimbweni netjheweni.

Step 23



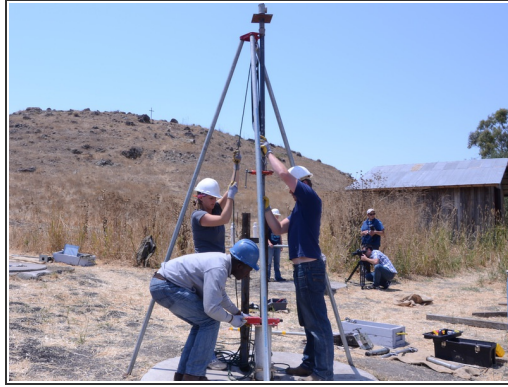
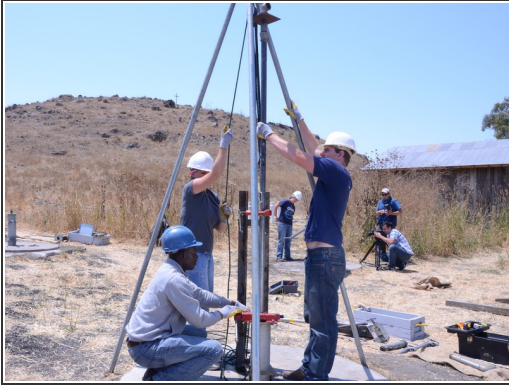
- Bambanisa isikhuphula kuqinisa esikhuphukeleni sephayiphu edlulisa amanzi eduze naphasi ngokukghonekako.

Step 24



- Na isikhuphula kuqinisa siqinileko, yenza ukugedla entambeni.
- Nawugedlisa iintambo usekela isikhuphukeli, gedlisa umphasi kuqinisa.

Step 25



- Sebenzisa intambo ukudosa isikhuphukeli sephayiphu edlulisa amanzi phezulu kabuthaka.
- ⚠ Ynza mbala bona intambo ihlangana nepoto yennyawo ezintathu ukuvikela ipoto yennyawo ezintathu ingaweli phasi.
- ⚠ Qala umphezulu wepoto yennyawo ezintathu bona ulinganele nesikhuphukeli sephayiphu edlulisa amanzi bona ibe seskhaleni esisekelako.

Step 26



- Susa ukuqinisa esikhuphukeleni sephayiphu edlulisa amanzi bese ubuyelela amagadango ama-23 ukuya kwama-25 kufikela isihlanganisi sembuke.

Step 27



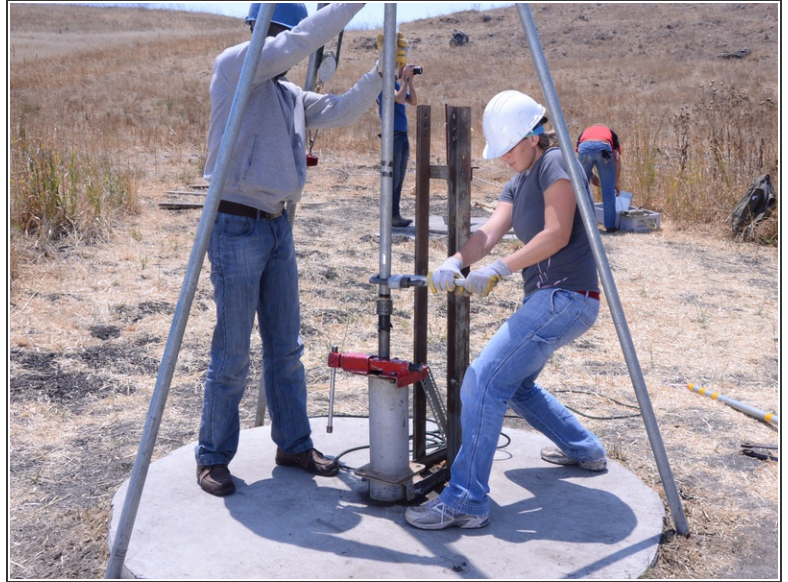
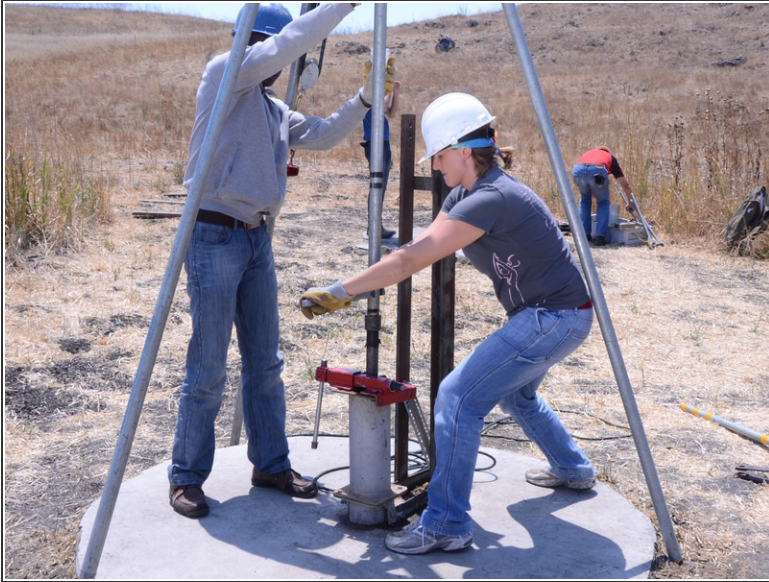
- Na isihlanganisi sokuthoma siveziwe, qinisa umphasi ngaphasi kwesihlanganisi.

Step 28



- Susa isikhuphula kuqinisa ukusuka esikhuphukeleni sephayiphu esidlulisa amanzi bese uvikela epotweni yennyawo ezintathu ukuyisusa endleleni.

Step 29



- ❗ Phatha isikrifu sephayiphu amanungu ambalwa ngaphezu kwesihlanganisi egadangweneli.
- Usebenzisa isikrifu sephayiphu, uyasikrifulula esigabeni sokuthoma sesikhuphukeli phayiphu edlulisa amanzi ehlanganweni.

Step 30



- Vikela ipetjhe yegadi phezu kwesihlanganisi ukuvikela amanzi bona arhatjheke na innhlanganisi zehlukanisiweko.
- Usebenzisa isikrifu sepompo, gedlisa isikhuphukeli sephayiphu edlulisa amanzi fikela amanzi athome ukuthulukela ngaphakathi kwepetjhe yegadi.
- ❗ Unga gedlisi kuya phambili kufikela amanzi ajame ukuphuma.

Step 31



- Susa ipetjhe yegadi bese uqedelela ukugedlisa isikhuphukeli sephayiphu edlulisa amanzi.
- Susa isigaba sokuthoma sesikhuphukeli sephayiphu edlulisa amanzi ngokuyiphakamisa ijame ilinganisele, bese usekela umphezulu wesigaba bese ubeka ipompo uyisekele esikhaleni phezulu kwepoto yennyawo ezintathu.

Step 32



- Bambanisa bese uqinisa intonga amanungu ambalwa ngaphasi kwentonga yepompo yokuthoma ebambeneko.

Step 33



- Usebenzisa inkrfu ze-C, krufulula intonga yepompo engcenyeni eseleko.
- Na isihlanganisi sahlukene, ngokutjheja yehlisa isikhuphukeli sephayiphu edlulisa amanzi ehlabathini.

Step 34



- Ngokutjheja yehlisa isikhuphukeli sephayiphu, ukuyaphezulu, bese ubeka endaweni enelanga, kuhle uyisame ngaphezu kwehlabathi, ukuvikela ukusilaphazeka.

Step 35



- Susa isibambo se-T kusuka epompeni yentonga ehlukaniweko.
- Bambanisa isibambo se-T epompeni yentonga eseleko.
- ⓘ Susa intonga eqinileko bese ubuyelela amagadango ama-29 ukuya kwama-35 fikela isikhuphukeli sephayiphu edlulisa amanzi sisuke soke, nanyana isigaba esaphukileko sifikelelwe.

Step 36 — Cylinder (Ndembele)



- ⚠ Tjheja bona ubeka isilinda kude nehlabathi ukobana ingasinyeki nanyana isilaphazeke.

Step 37



- Usebenzisa amabhowudu wamaphayiphu amabili, skrifulula isilinda esikhuphukeni sephayiphu edlulisa amanzi.

Step 38



- Buthaka dosa isilinda esuka epompeni yentonga bese ulisa ivelifu ekhambako nevelifu yenyawo.

Ukubuyisela into oyenzele ihloso ethileko, landela ifundiso ngendlela ethoma samva.

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